THE

PROCEEDINGS

OF THE

ROYAL ENTOMOLOGICAL SOCIETY

OF

LONDON

Series A.

GENERAL ENTOMOLOGY

VOL. 17

LONDON:
PUBLISHED BY THE SOCIETY AND
SOLD AT ITS ROOMS, 41, QUEEN'S GATE, S.W.7
1942

PRINTED IN GREAT BRITAIN BY
RICHARD CLAY AND COMPANY, LTD.,
BUNGAY, SUFFOLK.

CONTENTS

PAGE

ARROW, Gilbert J., F.Z.S., F.R.E.S. The origin of stridulation in beetles . . 83

BEIRNE, Bryan P., Ph.D., F.R.E.S., F.L.S. Observations on the life-history of *Praon volucre* Haliday (Hym.: BRACONIDAE), a parasite of the Mealy Plum Aphis (*Hyalopterus arundinis* Fab.) 42

CALLAN, E. McC., Ph.D., F.R.E.S. A note on *Timulla* (*Timulla*) *eriphyla* Mickel (Hym., MUTILLIDAE), a parasite of *Tachysphex blatticidus* F. X. Williams (Hym., LARRIDAE), from Trinidad, B.W.I. 18

CARPENTER, Professor G. D. Hale, M.B.E., D.M., F.R.E.S. Note on the bionomics of the Sphegid wasp *Dasyproctus bipunctatus* Lepeletier (Hym.) 48

CARPENTER, Professor G. D. Hale, M.B.E., D.M., F.R.E.S. Notes by E. Burtt, B.Sc., F.R.E.S., on a species of *Palophus* (probably *episcopalis* Kirby): a giant Phasmid (Orthoptera) from Tanganyika Territory 75

CARPENTER, Professor G. D. Hale, M.B.E., D.M., F.R.E.S. Resemblance between an Agaristid and a Xyloryctid (Lep. Heterocera) 76

CHORLEY, T. W., F.R.E.S., and HOPKINS, G. H. E., M.A., F.R.E.S. Activity of *Glossina pallidipes* at night (Diptera) 93

ELLIS, H. Willoughby, M.I.E.E., F.R.E.S., F.Z.S. John Sang's original drawings of British Coleoptera and Lepidoptera, with a note on Dr. P. B. Mason's collections 62

FORD, E. B., M.A., B.Sc., F.R.E.S. Studies on the chemistry of pigments in the Lepidoptera, with reference to their bearing on systematics. 2. Red pigments in the genus *Delias* Hübner 87

FOX-WILSON, G., N.D.H., F.R.E.S. The harvesting of Alder Buckthorn (*Rhamnus Frangula*) and the effect on the insect fauna 112

FRASER, Lt.-Col. F. C., I.M.S. Retd., F.R.E.S. A note on the evolution of some venational structures in the dragonfly wing 64

GRIFFIN, Francis J. Henry Smeathman [?–1786] 1

HADDOW, A. J., M.B., F.R.E.S. A note on the predatory larva of the mosquito *Culex* (*Lutzia*) *tigripes* Grandpré & Charmoy (Diptera) 73

HENRY, G. M., F.R.E.S. Three remarkable stridulatory mechanisms in ACRIDIDAE (Orthoptera) 59

HICKIN, N. E., Ph.D., F.R.E.S. Larvae of the British Trichoptera. 1 . . . 9

HICKIN, N. E., Ph.D., F.R.E.S. Larvae of the British Trichoptera. 2 . . . 12

HICKIN, N. E., Ph.D., F.R.E.S. Larvae of the British Trichoptera. 3 . . . 14

HICKIN, N. E., Ph.D., F.R.E.S. Larvae of the British Trichoptera. 4 . . . 16

HICKIN, N. E., Ph.D., F.R.E.S. The food and water requirements of *Ptinus tectus* Boieldieu (Coleopt., PTINIDAE) 99

HICKIN, N. E., Ph.D., F.R.E.S. Larvae of the British Trichoptera. 5 . . . 119

HICKIN, N. E., Ph.D., F.R.E.S. Larvae of the British Trichoptera. 6 . . . 123

HICKIN, N. E., Ph.D., F.R.E.S. Larvae of the British Trichoptera. 7 . . . 134

HULLS, L. G., F.R.E.S. Entomological gems 77

HYNES, H. B. N., Ph.D., A.R.C.S., F.R.E.S. A study of the feeding of adult stone-flies (Plecoptera) 81

KALMUS, H. Differences in resistance to toxic substances shown by different body colour mutants in *Drosophila* (Diptera) 127

KEVAN, D. Keith McE., B.Sc., F.R.E.S. Some observations on *Mononyx nepaeformis* (Fabricius 1775), a toad-bug (MONONYCHIDAE, Hemipt.-Heteropt.) . 109

PAGE

MILLER, N. C. E., F.R.E.S., F.Z.S. On the structure of the legs in REDUVIIDAE (Rhynchota) 49

PARMENTER, L., F.R.E.S. The prey of a population of *Machimus atricapillus* Fallen (Diptera) 71

REID, J. A., A.R.C.S., F.R.E.S. The relative sizes of different parts in beetles of the genus *Laemophloeus* (Coleopt.: CUCUJIDAE) 19

REID, J. A., B.Sc., A.R.C.S., F.R.E.S. The species of *Laemophloeus* (Coleoptera: CUCUJIDAE) occurring in stored foods in the British Isles 27

REID, J. A., B.Sc., A.R.C.S., F.R.E.S. A note on *Leptinus testaceus* Müller (Coleoptera: LEPTINIDAE) 35

SMYLY, W. J. P., B.Sc. A gynandromorph of *Aëdes aegypti* L. (*Stegomyia fasciata*), Diptera 111

THORPE, W. H., Sc.D., F.R.E.S. Observations on *Stomoxys ochrosoma* Speiser (Diptera MUSCIDAE) as an associate of army ants (DORYLINAE) in East Africa . 38

UVAROV, B. P., D.Sc., and THOMAS, J. G., Ph.D. The probable mechanism of phase variation in the pronotum of locusts 113

BOOK NOTICES 34, 37, 80, 98, 126, 137, 138

INDEX 139